

## 中国兰科植物研究杂记<sup>\*</sup>

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**摘要:** 报道了中国兰科植物一个新记录属和三个新记录种, 短距兰属 (*Penkimia*)、短距兰 (*P. nagalandensis*)、长序大苞兰 (*Sunipia cirrhata*)、白花叉喙兰 (*Uncifera thailandica*)。短距兰属 (*Penkimia*) 区别与鸟舌兰属 (*Ascocentrum*) 在于侧萼片合抱蕊柱, 唇瓣没有任何附属物以及锥形的距; 长序大苞兰的花序长于叶, 唇瓣基部具一个胼胝体; 白花叉喙兰唇瓣的距后弯并朝向子房。

**关键词:** 兰科; 新记录; 中国

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## Miscellaneous Notes on Orchidaceae from China

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**Abstract:** *Penkimia*, *P. nagalandensis*, *Sunipia cirrhata* and *Uncifera thailandica* were reported as new records to China. *Penkimia* primarily differs from *Ascocentrum* by having lateral lobes overlapping the column, lip lacking any appendages, and the conical spur. *Sunipia cirrhata* is characterized by its inflorescence exceeding leaf, lip with a callus at base, each pair of pollinia with stipe and viscidium. *Uncifera thailandica* is primarily distinguished from its relatives by its apex of spur curved backwards towards ovary.

**Key words:** Orchidaceae; New records; China

During our botanical trip to Yunnan from 2004 to 2007, many new species and little known orchids were found. Here we report new records to China.

### 1 *Penkimia* Phukan & Odyuo in Orchid review 330 . 2006 . (短距兰属)

Epiphytic. Roots with thick velamen. Leaves terete, adaxially channeled. Flowers yellow to orange, densely along the rachis, small. Lip three lobed, lacking callus, lateral lobes enclosing the column, spur curved forwards. Pollinia two, porate.

The generic delimitation of Aeridinae is well-known problem due to convergences of morphological characters (Dressler, 1993; Garay, 1972; Seidenfaden, 1988; Topik *et al.*, 2005). This recently described monotypic *Penkimia* is closely allied to *Ascocentrum* by having semi-terete and channeled leave, yellow

to orange flowers densely on rachis, column with column wings, two pollinia porate. However, it can be separated from *Ascocentrum* by lateral lobes overlapping the column, lip lacking any appendages, and the conical spur.

### 2 *Penkimia nagalandensis* Phukan & Odyuo, Orchid review 330 . 2006 . (短距兰)

Epiphytic. Plant up to 20 cm high. Roots white, terete, covered with thick velamen, 3 - 4 mm in diam. Stem up 2 cm long, closed by leaf-sheaths. Leaves distichous, 3 - 8, terete, acuminate, channeled, more or less arched, 4 - 15 cm long, 3 - 4 mm in diam., fleshy. Inflorescences one to three, arising form base, 3 - 10 cm long, densely with 3 - 25 flowers, base with a tubular bract. Bracts persistent, 1.5 - 3 mm long. Pedicel with ovary 6 mm long. Flowers 4 - 5 mm across, fully open, yellow to

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orange, middle veins of tepal tinged with purple . Sepals sub-equal, fleshy, reflexed; dorsal sepal oblong, obtuse, 3.5 mm long, 2 mm wide; lateral sepals elliptic-oblong, obtuse, 4 mm long, 2 mm wide; petals elliptic-oblong, 3.5 mm long, 2 mm wide; lip more or less hooded, three lobed, near rhombic when pressed, 4 mm long, 3 mm wide; lateral lobes semi-circle, erect, 1 mm long, 1 mm wide; middle lobe sub-orbicular, 2 mm long, 2.5 mm wide; spur conical, curved forwards . Column short, 1.5 mm long, footless . Pollinia two, porate . Capsule .

**China . Yunnan:** Tengchong, Wuhe, alt . 2 000 m, 2007 - 03 - 15, on tree, in forest, X . H . Jin 8923 ( PE ) .

**Distribution:** China and India .

Our fieldwork indicated that the natural fruit set of this species is unusual high . More than 50% flowers set fruit in 2006 and 2007 .

**3** *Sunipia cirrhata* (Lindl .) P . F . Hunt in Kew Bull . **26**: 184 . 1971 . —— *Ione cirrhata* Lindl . Fol . Orchid . Ione **2**: 1, no . 1 . 1853 . Types: India, Sikkim, Hooker 51 ( syn . K-LINDL ) . (长序大苞兰)

Epiphytic on trunks and branches . Rhizome cylindrical, 3 - 4 mm in diam . Pseudobulbs conical, 1 - 2 cm far away along the rhizome, 2 - 3 cm high, 1.5 cm in diam ., with 1 leaf . Leaf leathery, 10 - 12 cm wide, 2 - 3 cm wide, uneven lobed . Inflorescence from the base of the pseudobulbs, with 4 - 7 flowers, 30 - 40 cm long . Flowers white, with purple veins . Pedicel and ovary about 1 - 1.5 cm long; middle sepal lanceolate, 2.1 cm long, 0.7 cm wide, 7-veined; lateral sepals connate; 2 cm long, 1 cm wide; petals elliptic, dentate, 4mm long, 4 mm wide, 3-veined; lip purple, lanceolate, 1.7 cm long, 0.9 cm wide, base with a callus, middle vein of abaxial part green . Column white, 3 mm long, column foot 4 mm long, rostellum saddle-shaped; anther cap white; pollinia 8 in two pairs .

**Distribution:** China, India, Myanmar .

**China . Yunnan:** Lushui county, Liu-ku, east slope of Gaoligong Mts ., alt . 1 800 m, in evergreen forest, Dec . 12, 2007, X . H . Jin 9261 ( PE ) .

Pearce and Cribb (2002) stated that this entity occurred in Yunnan, however, no material was cited . This species is widespread in the valley of Dulongjiang River (upper part of Irrawad-

dy or Ayeyarwady River), characterized by the inflorescence longer than leaf, lip with a callus at base .

**4** *Uncifera thailandica* Seidenf . & Smitin . Orchid . Thail . 4, 2: 828 . fig . 621 . 1965 . (白花叉喙兰)

Epiphytic on trunk or branches . Stem 5 cm long, 0.8 cm in diam ., enclosed by the leaf sheath . Leaves 4 - 5 , fleshy, 3 - 3.5 cm wide, 7 - 8 cm long, obtuse, uneven bilobed . Rachis purple, penetrate through the leaf-sheath . Infertile bracts pale yellow; fertile bracts lanceolate, 5 - 6 cm long . Flowers 10 - 15 , pale white greenish, tinged with purple in middle veins; dorsal sepal elliptic, concave, 0.5 cm long, 0.5 cm wide; lateral sepals oblique, ovate, 0.6 cm long, 0.5 cm wide; petals concave, ovate, 0.5 cm long, 0.5 cm wide, obtuse; lip three lobed, spurred; later lobes obtuse; middle lobe very small; spur white, compress in middle, apex curved backwards towards ovary, 0.7 - 0.8 cm long . Anther cap extending, viscidium elliptic, yellowish brown .

**Distribution:** China, Thailand .

**China . Yunnan:** Ying-Jiang County, Tong-Bi-Guan, 1 400 m, in evergreen forest, June 28, 2007, X . H . Jin 9026 ( PE ) .

This species is characterized by its leaves uneven lobed, and the apex of spur curved backwards towards ovary .

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